

RECORD OF PROCEEDINGS

MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE PAINT BRUSH HILLS METROPOLITAN DISTRICT HELD MAY 21, 2015

A regular meeting of the Board of Directors (referred to hereafter as "Board") of the Paint Brush Hills Metropolitan District (referred to hereafter as "District") was held on Thursday, the 21st day of May, 2015, at 7:00 p.m. at the Paint Brush Hills Metropolitan District Office, 9830 Liberty Grove Drive, Falcon, Colorado 80831. The meeting was open to the public.

ATTENDANCE

Directors In Attendance Were:

Kim Griffin
Calvin Pollard
Doug Burrer (for a portion of the meeting)
Floyd Roberts
John Bruszenski

Also In Attendance Were:

Leon Gomes; Special District Management Services, Inc.

Jennifer Gruber Tanaka, Esq.; White Bear Ankele Tanaka & Waldron, P.C.

Ricardo Goncalves, PE; RG and Associates, LLC

DISCLOSURE OF POTENTIAL CONFLICTS OF INTEREST

Disclosure of Potential or Existing Conflicts of Interest: The Board discussed the requirements pursuant to the Colorado Revised Statutes to disclose any potential conflicts of interest or potential breaches of fiduciary duty to the Board of Directors and to the Secretary of State. Mr. Gomes noted that a quorum was present and requested members of the Board disclose any potential conflicts of interest with regard to any matters scheduled for discussion at this meeting. No conflicts were noted.

ADMINISTRATIVE MATTERS

Agenda: Mr. Gomes reviewed the proposed agenda for the District's regular meeting.

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Following discussion, upon motion duly made by Director Pollard, seconded by Director Bruszenski and, upon vote, unanimously carried, the Agenda was approved, as presented.

Public Comments: There was no public comment.

CONSENT AGENDA

Consent Agenda: The Board considered the following actions:

- Acknowledge Manager's Report
- Acknowledge Staff Report
- Acknowledge Operations Report
- Approve Minutes of the April 16, 2015 Regular Meeting
- Acknowledge 2015 Budget Priorities

Following discussion, upon motion duly made by Director Bruszenski, seconded by Director Roberts and, upon vote, unanimously carried, the Board approved the Consent Agenda.

FINANCIAL MATTERS

Director Burrer joined the meeting.

Claims: The Board considered approval of the payment of claims for the period ending May 21, 2015, as follows:

General Fund	\$	22,861.12
Debt Service Fund	\$	-0-
Enterprise Fund	\$	53,138.16
Total Claims:	\$	<u>75,999.28</u>

Mr. Gomes reviewed the claims with the Board.

Following discussion, upon motion duly made by Director Burrer, seconded by Director Bruszenski and, upon vote, unanimously carried, the Board approved the payment of claims for the period ending May 21, 2015, as presented.

Financial Statements: Mr. Gomes reviewed with the Board the unaudited financial statements for the period ending April 30, 2015.

Following review and discussion, upon motion duly made by Director Pollard, seconded by Director Roberts and, upon vote, unanimously carried, the Board accepted the unaudited financial statements for the period ending April 30, 2015, as presented.

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2014 Audit: Mr. Gomes advised the Board that the field work for the 2014 Audit is underway.

Remote Electronic Check Processing Agreement between Farmers State Bank and the District: The Board entered into discussion regarding the approval of a Remote Electronic Check Processing Agreement between Farmers State Bank and the District.

Following discussion, upon motion duly made by Director Roberts, seconded by Director Pollard and, upon vote, unanimously carried, the Board approved the Remote Electronic Check Processing Agreement between Farmers State Bank and the District.

ENGINEER MATTERS

Engineer Report: Mr. Goncalves reviewed the Engineer report with the Board, which report is attached hereto for reference.

District Office and Shop Facility: The Board entered into discussion regarding the proposed District Office and Shop Facility. The Board expressed a desire to add a fourth bay to the Shop Facility and have the layout contemplate future expansion of the facility. Mr. Goncalves advised that he will revise plans once he receives the site survey.

Dawson Replacement Plan: Mr. Goncalves reported that the Dawson Replacement will be considered following the completion of the Water Use Master Plan.

Water Use Master Plan: Mr. Goncalves discussed the Water Use Master Plan addressing the matters that need to be considered in the Plan. He said that the 2013 Water Supply report does not address the future water needs of the District which he will address in the Water Use Master Plan. He is also concerned about the water supply of the District if a well were to go down. The District needs to be able to maintain a flow of 125 gallons per minute. The Board was presented with an estimate of \$3,500 for the preparation of the Water Use Master Plan by RG & Associates.

The Board entered into discussion regarding Mr. Goncalves' estimated cost for the preparation of a Water Use Master Plan.

Following discussion, upon motion duly made by Director Burrer, seconded by Director Roberts and, upon vote, unanimously carried, the Board authorized Mr. Goncalves to prepare the Water Use Master Plan for an amount not-to-exceed

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\$5,000 and approved the Second Addendum to the RG and Associates Independent Contractor Agreement reflecting the same.

Water Treatment Pilot Program: Mr. Goncalves discussed a Water Treatment Pilot Program ("Pilot Program") with the Board. The Pilot Program will allow the District to determine the best approach to a water filtration system using different types of granulated activated charcoal. He recommended that the Pilot Program start with Well #6 since it has taste and odor issues.

Following discussion, upon motion duly made by Director Bruszenski, seconded by Director Pollard and, upon vote, unanimously carried, the Board authorized Mr. Goncalves to proceed with the Water Treatment Pilot Program for an amount not-to-exceed \$10,000 and requested that this work be incorporated into the Second Addendum to the RG and Associates Independent Contractor Agreement.

Pump House #1 Storm Water Drainage Issue: Mr. Goncalves reported that he inspected the Pump House #1 site at the request of Mr. Gomes. The site is flooded due to storm water runoff from the property to the west of the site as well as a sump pump outlet that is directing water toward the site. The resulting damage believed to be caused by the excess water runoff is a one-and-one-half to two-inch settling of the pump house foundation. Mr. Goncalves is concerned that the foundation settling may also cause damage to the electrical cabling from the pump house to the pump. Attorney Tanaka recommended that a claim be filed with the District's insurance agent.

The Board directed Mr. Gomes to file a claim with the District's insurance agent regarding this matter.

PERSONNEL MATTERS

Parental Involvement in Academic Activities Leave Policy: Attorney Tanaka informed the Board that the Parental Involvement in Academic Activities Leave Act is due to expire September 2015 and the Board may either move to eliminate the Parental Involvement in Academic Activities Leave Policy from the District Employee Handbook or leave the Policy in the Handbook. The Leave under the Policy is unpaid and therefore at no cost to the District.

Following discussion, the Board chose to retain the Parental Involvement in Academic Activities Leave Policy.

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Office Administrator Position: Mr. Gomes presented that Board with a proposed Job Description for the position of Office Administrator and recommended that the Job Description be approved along with a \$15.00 per hour starting pay for the position.

The Board discussed and considered establishing an Office Administrator position and considered approval of a job description for the position and starting pay.

Following discussion, upon motion duly made by Director Bruszenski, seconded by Director Roberts and, upon vote, unanimously carried, the Board determined to establish an Office Administrator position and approved the job description for the position with a starting hourly pay rate of \$15.00.

OPERATIONS AND MAINTENANCE

Meter Reading Hardware and Software Proposal: Mr. Gomes presented a proposal for meter reading hardware and software. The proposal by National Meter & Automation, Inc. ("National Meter") provides for the replacement of the District's current meter reading hardware and software. The proposal also includes National Meter installing the software on a District computer with a Window 7 Pro operating system and providing training on the use of the hardware and software.

The Board entered into discussion regarding a meter reading hardware and software proposal from National Meter & Automation.

Following discussion, upon motion duly made by Director Bruszenski, seconded by Director Roberts and, upon vote, unanimously carried, the Board approved the meter reading hardware and software proposal from National Meter & Automation for an amount not-to-exceed \$12,600.

OTHER BUSINESS

Request from 699 Properties, LLC to Establish a Sub-District in Filing 13: Attorney Tanaka discussed with the Board a request from 699 Properties, LLC (699) for the Board to support them in establishing a Sub-District within the boundaries of the District and specifically within Filing 13 except for Filing 13A. She discussed with the Board that 699 is considering pursuing bond financing to pay for infrastructure construction with the Sub-District. 699 would be required to pay for all costs related to these efforts, specifically including, but not limited to, service plan amendments, election costs and other related fees and costs and recommended that the Board require a \$5,000 retainer from 699 from which expenses related to the study would be paid. In addition, she recommended that

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there be a requirement for 699 to submit additional funds to bring the deposit on account to an amount equal to \$5,000 once the deposit on account is reduced to \$1,000. Any deposit balance remaining upon completion of the feasibility study would be refunded to 699.

The Board entered into discussion regarding a request from 699 Properties, LLC to establish a sub-District in Filing 13 exclusive of Filing 13A.

Following discussion, the Board determined to move forward with the creation of a sub-District in Filing 13 except for Filing 13A, require 699 Properties, LLC to deposit \$5,000 with the District, and to require that 699 provide additional funds to the District in amount to bring the deposit on account to an amount equal to \$5,000 once deposit balance on account with the District is reduced to \$1,000.

Falcon Freedom Days Sponsorship: Mr. Gomes presented the Board with correspondence from Meridian Service Metropolitan District requesting the District's sponsorship of Falcon Freedom Days. The Board previously sponsored the 2013 Falcon Freedom Days and the 2014 Falcon Freedom Days at \$500 each year.

The Board entered into discussion regarding sponsoring Falcon Freedom Days.

Following discussion, upon motion duly made by Director Pollard, seconded by Director Griffin and, upon vote, unanimously carried, the Board approved sponsoring Falcon Freedom Days for an amount of \$500.

ADJOURNMENT

There being no further business to come before the Board at this time, upon motion duly made by Director Bruszewski, seconded by Director Griffin and, upon vote, unanimously carried, the meeting was adjourned.

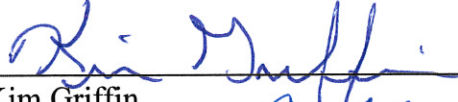
Respectfully submitted,

By

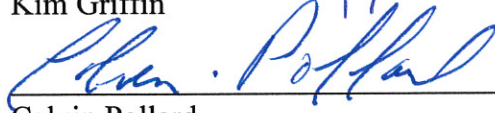

Secretary for the Meeting

RECORD OF PROCEEDINGS

THESE MINUTES ARE APPROVED AS THE OFFICIAL MAY 21, 2015
MINUTES OF THE PAINT BRUSH HILLS METROPOLITAN DISTRICT BY
THE BOARD OF DIRECTORS SIGNING BELOW:




Kim Griffin



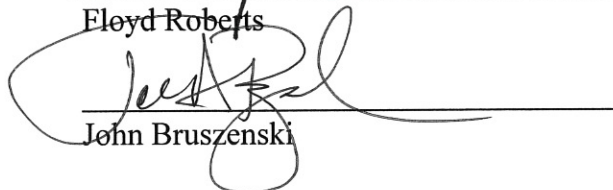
Calvin Pollard



Doug Burrer



Floyd Roberts



John Bruszenski



Gypsum • Loveland • Monte Vista • Wheat Ridge

Engineer's Report for May 2015

Office building/Workshop

The office building layout was presented to the board at the last meeting. The cost estimate for the three bay workshop, stick built version of the building is \$448,643. This assumes \$42,360 worth of site work. The site work number will be refined after we complete a preliminary site plan. This will be done as soon as we receive the site surveys from the surveyor.

Storage Tank Inspections

We have investigated the new regulations that will come into effect in 2016 and found that the district will have to prepare a written plan for each storage tank, as identified in Section 11.28(2) of the CDPHE Regulation No. 11, provide quarterly periodic inspections and provide the first of one comprehensive inspection every five years.

To budget for this, I would plan on \$3,600 to prepare the plan, submit to CDPHE, and perform the first comprehensive inspection. Then, I would plan on \$1,200 for each of the next three quarters.

Water Treatment Pilot System

Attached is a memo describing a proposal from Filter Tech Systems, Inc. for installing a pilot GAC system on Well No. 6, the major contributor to odors in the water supply, to determine the effectiveness of using GAC in removing noxious odors. While, it is well known that GAC will remove odors, the purpose of the pilot study would be to determine such operating factors as what types of GAC are more effective than others, the cost of removing expended GAC and replacing it, the frequency of replacement, etc., all in determining and projecting the ultimate cost effectiveness for a full scale unit at just that well, and possibly a full scale unit for a combined water supply.

We estimate that it would take approximately \$3000 of our time to work with Filter Tech and your operators on installing and monitoring the system. It would take some of Steve's time to monitor the system, as well.

Dawson Well/Cherokee Pipeline/Master Plan

We have reviewed the JDS Hydro Water Supply Plan, the Cherokee/Arroya Pipeline proposal, talked with Paul Andersen, and met with Leon to gain an understanding of the district's water supply situation. In a nutshell, we think there is some work to be done to have a plan for the future, a Master Water Plan. This does not mean a thick fat document that would take hours to prepare and that would be relegated to a

bookshelf. This means a streamlined document that provides a summary of basic answers to simple questions that I have not seen answers to, like how much storage do you need now and at ultimate buildout, what is ultimate buildout, how much instantaneous water supply do you need now and at buildout, when should the next well be drilled, should you participate in the Arroya pipeline project, what does it do for your ultimate supply, what is your service area, has all the groundwater in your district been appropriated to the district, what renewable water options should be looked at, and others. We would suggest a small document that could basically be carried around, so that if someone asked, how much storage do we need, if someone didn't remember, it would be a simple matter of reviewing that plan.

For example, if 1486 SFEs is the ultimate buildout number, you should probably have at least 900 gpm of installed well capacity or water supply, whereas all your wells to date can only produce 549 gpm. You therefore need 351 gpm of additional capacity. Also, this would answer the question of the Dawson well replacement. Where should this come from? Whatever we come up with answers should be memorialized, with your concurrence, of course.

We would estimate that to do this work would not exceed \$3500.

Filing 13B

We received plans from the developer for Filing 13B and have reviewed them for compliance with the district's standards, and have sent him a response letter. A copy of that letter is attached.

Office Building

Grade	Number of Students
01	4
2	6
3	8

PRELIMINARY COST ESTIMATE
ADMINISTRATION BUILDING AND TREATMENT PLANT
PAINT BRUSH HILLS METROPOLITAN DISTRICT

MARCH 16, 2015

ASSUME METAL BUILDINGS
TYPE V-B CONSTRUCTION
2824 GSF
52-TOTAL OCCUPANTS

DESCRIPTION	SQUARE FOOTAGE	COST PER SF	SUBTOTALS	TOTAL
ADMINISTRATION BUILDING				
SITE WORK	2,824	\$15	\$42,360	
BUILDING	2,824	\$65	\$183,560	
HEATING, VENTILATION, & AIR CONDITIONING	2,824	\$4	\$10,590	
PLUMBING	2,824	\$3	\$8,896	
ELECTRICAL	2,824	\$7	\$19,147	
GENERAL CONDITIONS	2,824	\$14	\$39,536	

SUBTOTAL CONSTRUCTION COST

Engineering and Construction Management @15%

Contingencies @ 20%

GRAND TOTAL

\$304,088
\$45,613
\$60,818
\$410,519

PREPARED BY:
WAYNE ROBINSON
RG AND ASSOCIATES, LLC
WHEAT RIDGE, CO
4/9/2015

PRELIMINARY COST ESTIMATE
ADMINISTRATION BUILDING AND TREATMENT PLANT
PAINT BRUSH HILLS METROPOLITAN DISTRICT

MARCH 16, 2015

CONVENTIONALLY FRAMED BUILDING			
TYPE V-B CONSTRUCTION			
2824 GSF			
52-TOTAL OCCUPANTS			

DESCRIPTION	SQUARE FOOTAGE	COST PER SF	SUBTOTALS	TOTAL
ADMINISTRATION BUILDING				
SITE WORK	2,824	15.00	\$42,360	
BUILDING	2,824	75.00	\$211,800	
HEATING, VENTILATION, & AIR CONDITIONING	2,824	\$3.75	\$10,590	
PLUMBING	2,824	3.15	\$8,896	
ELECTRICAL	2,824	6.78	\$19,147	
GENERAL CONDITIONS	2,824	14.00	\$39,536	

SUBTOTAL CONSTRUCTION COST	\$332,328
Engineering and Construction Management @ 15%	\$49,849
Contingencies at 20%	\$66,466
GRAND TOTAL	\$448,643

PREPARED BY:
 WAYNE ROBINSON
 RG AND ASSOCIATES, LLC
 WHEAT RIDGE, CO
 4/9/2015

Storage Tank Inspections

MEMO

Date: May 6, 2015
To: Paint Brush Hills Metropolitan District
From: RG and Associates, LLC
RGA Job No. 1070.0001
RE: **Water Tank Inspection Regulations**

PURPOSE

The purpose of this memo is to summarize the new water storage tank inspection regulations as described in CDPHE Regulation No. 11 .

REGULATION 11.28 – STORAGE TANK RULE

On March 10, 2015, Regulation No. 11 was amended to include Regulation 11.28-Storage Tank Rule. This regulation requires that all public water system suppliers that use finished water storage tanks comply with the requirements specified in the rule beginning April 1, 2016. The summarized rule is as follows:

- The supplier must develop and maintain a written plan for finished water storage tank inspections including:
 - Inventory of finished water storage tanks
 - Methods and schedule for performing and documenting periodic and comprehensive inspections of storage tanks
 - Identification of qualified personnel to perform inspections
 - Timelines for correcting typical storage tank sanitary defects
- A periodic inspection is a visual external storage tank inspection that is typically performed by the supplier to identify evident sanitary defects. These inspections must be scheduled at least quarterly or on an alternative schedule. Justification must be provided in the written plan if the supplier proposes an alternative schedule.
- A comprehensive inspection is an internal and external storage tank inspection to identify sanitary defects that covers all aspects of the condition of the storage tank including but not limited to sanitary, structural, and coating system conditions, as well as security and safety

concerns. These inspections must be scheduled at least every five (5) years or on an alternative schedule. Justification must be provided in the written plan if the supplier proposes an alternative schedule.

The complete regulation is attached to this memo.

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION

REGULATION NO. 11

COLORADO PRIMARY DRINKING WATER REGULATIONS
(5 CCR 1002-11)

Board of Health

Adopted	02/12/1962	
Amended	10/17/1967	
Amended	11/16/1977	
Amended	07/23/1981	Effective 10/30/1981
Amended	12/21/1988	Effective 01/30/1989
Amended	03/20/1991	Effective 04/30/1991
Amended	07/20/1994	Effective 09/30/1994
Amended	11/16/1994	Effective 01/30/1995
Amended	11/18/1998	Effective 01/30/1999
Amended	03/15/2000	Effective 04/30/2000
Amended	11/14/2001	Effective 12/30/2001
Amended	01/16/2002	Effective 03/02/2002
Amended	07/17/2002	Effective 09/01/2002
Articles 1, 5, 6, 8, 16	Amended	10/16/2002
		Effective 12/30/2002
Article 16, Part of Article 5	Amended	10/16/2002
		Effective 01/23/2004
Part of Article 6	Amended	10/16/2002
		Effective 12/08/2003
Amended	01/15/2003	Effective 01/15/2003
Amended	04/04/2003	Effective 04/04/2003
Amended	05/21/2003	Effective 07/30/2003
Amended	01/24/2004	Effective 03/30/2004
Amended	01/19/2005	Effective 03/30/2005

Water Quality Control Commission

Amended	08/13/2007	Effective	09/30/2007
Amended	07/14/2008	Effective	09/30/2008
Amended	10/14/2008	Effective	11/30/2008
Amended	12/08/2008	Effective	01/30/2009
Amended	10/13/2009	Effective	12/01/2009
Amended	08/09/2010	Effective	11/30/2010
Repealed	12/09/2013	Effective	03/01/2014
Adopted	12/09/2013	Effective	03/01/2014
Amended	03/10/2015	Effective	05/01/2015

- (a) To composite gross alpha particle activity, combined radium-226 and radium-228, and uranium samples collected under 11.22, the supplier must comply with the requirements specified in this section 11.27(3).
- (b) The supplier may composite samples from up to four consecutive quarters from a single entry point.
- (c) The composite sample must be analyzed no later than one year after the first sample was collected.
- (d) The Department shall consider the composite sample result as an average of the individual samples included in the composite sample to determine compliance with the MCLs and to determine the future sampling frequency.
- (e) If the composite sample result is greater than ($>$) one-half ($1/2$) the MCL, the Department may require the supplier to collect additional quarterly samples before allowing the supplier to sample at a reduced frequency.

11.27(4) Compositing Samples for Lead and Copper Entry Point Samples

- (a) To composite lead and copper entry point samples collected under 11.26, the supplier must comply with the requirements specified in this section 11.27(4).
- (b) The supplier may composite samples from no more than five entry points.
- (c) Compositing of samples must be performed by certified laboratory personnel.
- (d) If the lead concentration in the composite sample is greater than or equal to (\geq) 0.001 mg/L or the copper concentration in the composite sample is greater than or equal to (\geq) 0.160 mg/L, the supplier must collect confirmation samples no later than 14 days after receiving notification of the composite result.
 - (i) Instead of collecting confirmation samples, the supplier may use one of the following:
 - (A) Duplicates of each original sample used in the composite sample.
 - (B) The original samples used in the composite sample, if a sufficient volume is available.

11.28 STORAGE TANK RULE

11.28(1) Applicability and Definitions

- (a) For all public water systems that use finished water storage tanks, the supplier must comply with the requirements specified in this rule beginning April 1, 2016.
- (b) "COMPREHENSIVE INSPECTION" means an internal and external storage tank inspection to identify sanitary defects that covers all aspects of the condition of the storage tank including but not limited to sanitary, structural, and coating systems conditions, as well as security and safety concerns.
- (c) "FINISHED WATER STORAGE TANK" means a tank or vessel owned by the supplier that is located downstream of the entry point and is not pressurized at the air water interface. Pressurized storage tanks are not included in the definition of finished water storage tanks.

- (d) "PERIODIC INSPECTION" means a visual external storage tank inspection that is typically performed by the supplier to identify evident sanitary defects (e.g., lack of screens on vents).

11.28(2) Written Plan for Finished Water Storage Tank Inspections Requirements

- (a) The supplier must develop and maintain a written plan for finished water storage tank inspections which must include all of the following:
- (i) An inventory of finished water storage tank(s) including all of the following information for each finished water storage tank:
 - (A) Tank type and construction materials (e.g., elevated, buried, etc.).
 - (B) Volume in gallons.
 - (C) Approximate dimensions.
 - (D) Location.
 - (E) Number of inlets, outlets, overflows, hatches, and vents.
 - (F) Coating systems.
 - (G) Date put in service.
 - (H) Rehabilitation and major maintenance history.
 - (ii) The methods for performing and documenting periodic and comprehensive inspections for each finished water storage tank including identification of qualified personnel to perform periodic and comprehensive inspections.
 - (iii) The schedule for performing periodic and comprehensive inspections for each finished water storage tank.
 - (A) Periodic inspections of each finished water storage tank must be scheduled at least quarterly or on an alternative schedule.
 - (B) Comprehensive inspections of each finished water storage tank must be scheduled at least every five years or on an alternative schedule.
 - (C) If the supplier schedules periodic or comprehensive inspections on an alternative schedule, the supplier must provide justification for the alternative schedule in the written plan for finished water storage tank inspections.
 - (iv) The timelines for correcting typical storage tank sanitary defects that the supplier will use to develop corrective action schedules. The supplier must at least address timelines for the following typical sanitary defects: improper screening or protection on vents and overflows, inadequate hatches, and unprotected openings.
- (b) The written plan for finished water storage tank inspections is subject to Department review and revision.

11.28(3) Treatment Technique Requirements for Storage Tanks

- (a) The supplier is prohibited from using uncovered finished water storage tanks.

- (i) "UNCOVERED FINISHED WATER STORAGE TANK" means a tank, reservoir, or other facility used to store water that will undergo no further treatment except residual disinfection and that is open to the atmosphere.
- (b) The supplier must operate and maintain finished water storage tanks so that they are free of sanitary defects.
- (c) The supplier must perform periodic and comprehensive inspections of each finished water storage tank.
- (d) The supplier must implement the written plan for finished water storage tank inspections.
- (e) If any sanitary defects are identified during a periodic or comprehensive inspection, the supplier must develop and implement a corrective action schedule for correcting each sanitary defect.
- (f) The supplier must develop an inspection summary no later than 60 days after each completed inspection that includes all of the following information:
 - (i) The date and type of inspection performed.
 - (ii) Inspection findings and tank conditions.
 - (iii) Any sanitary defects identified during the inspection.
 - (iv) If sanitary defects are identified, the corrective action schedule for correcting sanitary defects.
 - (v) If sanitary defects are identified, the corrective actions completed and the associated completion dates.

11.28(4) Violations of the Storage Tank Rule

- (a) If the supplier fails to develop or maintain an acceptable written plan for finished water storage tank inspections, a storage tank rule violation occurs.
- (b) The following constitute treatment technique violations:
 - (i) The supplier uses an uncovered finished water storage tank.
 - (ii) The supplier fails to perform or document a periodic or comprehensive inspection.
 - (iii) The supplier fails to implement the written plan for finished water storage tank inspections.
 - (iv) The supplier fails to complete or document corrective action or follow a corrective action schedule for any sanitary defects identified during a periodic or comprehensive inspection.

11.28(5) Response to Violations of the Storage Tank Rule

- (a) In the event of a storage tank rule violation, the supplier must:
 - (i) Notify the department no later than 48 hours after the violation occurs.
 - (ii) Distribute Tier 3 public notice as specified in 11.33.

- (b) In the event of a treatment technique violation, the supplier must:
- (i) Notify the Department no later than 48 hours after the violation occurs.
 - (ii) Distribute Tier 2 public notice as specified in 11.33.

11.29 RESERVED**11.30 RESERVED****11.31 RESERVED****11.32 RESERVED****11.33 PUBLIC NOTIFICATION RULE****11.33(1) Applicability and Definitions**

- (a) For all public water systems, the supplier must comply with the public notice requirements specified in this rule for the violations or situations specified in Table 11.33-I.

TABLE 11.33-I VIOLATION CATEGORIES AND OTHER SITUATIONS REQUIRING A PUBLIC NOTICE	
CPDWR violations	Failure to comply with an MCL or MRDL
	Failure to comply with a treatment technique requirement
	Failure to perform required water quality monitoring
	Failure to comply with required testing procedures
Variance or exemption under 11.43	Operation under a variance or an exemption
	Failure to comply with the terms and schedule of any variance or exemption
Other situations requiring public notice	Occurrence of a waterborne disease outbreak or other waterborne emergency
	Exceedance of the elevated nitrate MCL by non-community water systems, when granted Department approval as specified in 11.18(2)(d)
	Exceedance of the secondary maximum contaminant level for fluoride
	Availability of unregulated contaminant monitoring data
	Repeated failure to sample the source water for <i>Cryptosporidium</i>
	Failure to determine bin classification
	Groundwater systems with a waiver from disinfection requirements under 11.13
	Significant deficiencies identified at non-community groundwater systems
	Other violations and situations determined by the Department to require a public notice

- (b) Public notice requirements are divided into three tiers based on the seriousness of the violation or situation and any potential public health effects. Each tier has different requirements. The tiers are as follows:



COLORADO

Department of Public Health & Environment

The Water Quality Control Commission has adopted a new version of the Colorado Primary Drinking Water Regulations (Regulation 11). Here are the new rules, the effective dates, and what the rule is about. Please refer to Regulation 11 for the full requirements.

Water Hauler Rule - 11.41

Effective May 1, 2015

- Water haulers must operate in accordance with a Department-approved operational plan and monitor the chlorine residual of the water dispensed from each tank each day.

Backflow Prevention and Cross-connection Control Rule - 11.39

Effective January 1, 2016

- All suppliers must develop a written backflow prevention and cross-connection control program.
- The rule requires the system be surveyed for cross connections over a 5-year period, backflow prevention assemblies must be tested and backflow prevention methods must be inspected.

Revised Total Coliform Rule - 11.16

Effective April 1, 2016

- Level 1 and Level 2 assessments replace the monthly total coliform MCL and require the supplier to investigate the potential cause of contamination.
- Seasonal systems are required to complete Department-approved start-up procedures.
- Non-community groundwater systems sampling quarterly may be triggered to sample monthly.

Minimum 0.2 mg/L Chlorine Residual in the Distribution System

Effective April 1, 2016

- All systems will be required to maintain a minimum of 0.2 mg/L chlorine residual throughout the distribution system.
- Consider applying for an extension if you would need capital improvements to comply.

Storage Tank Rule - 11.28

Effective April 1, 2016

- All suppliers will be required to develop a written plan for finished water storage tank inspections.
- Periodic and comprehensive inspections will be required for all finished water storage tanks.

Pilot Plant

MEMO

Date: April 27, 2015
To: Paint Brush Hills Metropolitan District
From: RG and Associates, LLC
RGA Job No. 1070.0001
RE: **Pilot System**

PURPOSE

The purpose of this memo is to detail the proposed pilot testing at Well 6 aimed at removing hydrogen sulfide from the raw water.

PILOT TESTING

RGA recommends running a two phase pilot test. Phase 1 of the pilot test is a bench-scale test which would determine if the carbon removes sufficient hydrogen sulfide from the water and if different carbons are more effective at removing hydrogen sulfide than others. The equipment for Phase 1 will be delivered to the site and set up by Filter Tech Systems Field Service Technicians. Filter Tech Systems will also provide one day of sampling. Phase 2 of the pilot test employs a 6" diameter filter vessel, processing 2 gallons per minute (gpm) of raw water. This system will be run for a longer period of time to determine the operational parameters for the full-scale system. The equipment for Phase 2 will be delivered to the site and set up by Filter Tech Systems Field Service Technicians, but will require that a local operator monitor the system and provide day-to-day oversight. Sample testing and analytical reports are not provided in the Filter Tech Systems estimates.

COST

The attached estimate details the costs associate with running both phases of the pilot test based on the quote/agreement from Filter Tech Systems. Sample testing and analytical fees are not included in the provided cost.

SCHEDULE

It is estimated that the pilot equipment will be delivered within 3 weeks of signing the Filter Tech Systems agreement.



Paintbrush Hills - Well No. 6 Pilot Test Cost Estimate

Item	Description	Quantity	Units	Unit Cost	Total Item Cost
1	Phase 1 - Bench-Scale Pilot Equipment and Operation	1	LS	\$1,650	\$1,650
2	Phase 2 - Long-Term Filtration Pilot Equipment & Set Up	1	LS	\$3,500	\$3,500
3	Phase 2 - Long-Term Filtration Pilot Monthly Fee	1	LS	\$0	\$0
4	Phase 2 - Long-Term Filtration Pilot Demobilization	1	LS	\$960	\$960
TOTAL PILOT ESTIMATE					\$6,110

*NOTE: Sample testing & analytical fees to be paid for by Paintbrush Hills



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Proposal No. 15-908p
10 April 2015

Paint Brush Hills MD
Granular Activated Carbon Pilot Study

We are pleased to provide a proposal for options to perform a Pilot Study to test the effectiveness and operation and maintenance requirements of a Granular Activated Carbon System.

Option 1 Long-Term Filtration Pilot

Provide a 6" diameter filter housing with granular activated carbon to run a multi-day 9 or (month) pilot study. This pilot will determine whether the process removes tastes and odors from the water plus will measure the long-term operational requirements such as frequency of backwashing and life of the carbon filter material.

Pilot equipment will be set up with the following:

One	(1)	1/2" Raw Water inlet Valve
One	(1)	1/2" Filter Effluent Valve
One	(1)	1/2" Backwash Inlet Valve
One	(1)	1/2" Backwash Outlet Valve
Two	(2)	Sample Taps
Two	(2)	Pressure Gauges
One	(1)	Filter Inlet Flow Controller & Indicator
Two	(2)	Cubic Feet of Granular Activated Carbon to evaluate different types

This study will employ a 6" diameter filter vessel which can process 2 gpm. Feed flow will be delivered from existing pressurized piping.

Equipment will be delivered to the job site and set up by Filter Tech Systems Field Service Technicians.

It is expected that local operators will monitor the plant and provide day-to-day oversight.

DOES NOT INCLUDE testing and analytical reports

Equipment & Set Up Fee	\$ 3,500
Monthly Fee	None
Demobilization Fee	\$ 960

Option 2 Single-Day Bench-Scale Testing

Provide a small diameter filter housing with granular activated carbon to run multiple tests through various carbon materials. This test will measure the taste/odor constituents prior to and after flow through a granular activated carbon media.

Pilot equipment will be set up with the following:

One	(1)	Raw Water Inlet Port
One	(1)	Filter Effluent Port
One	(1)	Backwash Inlet Port
One	(1)	Backwash Outlet Port
Two	(2)	Sample Points
One	(1)	Filter Inlet Flow Controller & Indicator
Two	(2)	Types of Granular Activated Carbon

This study will employ a small diameter filter vessel which can process several liters per minute Feed flow will be delivered from existing pressurized piping.

Equipment will be delivered to the job site and set up by Filter Tech Systems Field Service Technicians. One day of testing is included.

DOES NOT INLCUDE testing and analytical reports

Equipment & Operation	\$ 1,650
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This Proposal DOES NOT include the following:
Testing and Analytical Reports

Terms & Conditions

Delivery	To be Determined
Freight	FOB Ship Point, Full Freight Allowed
Terms	Net 30

Quotation Valid for Thirty Days

